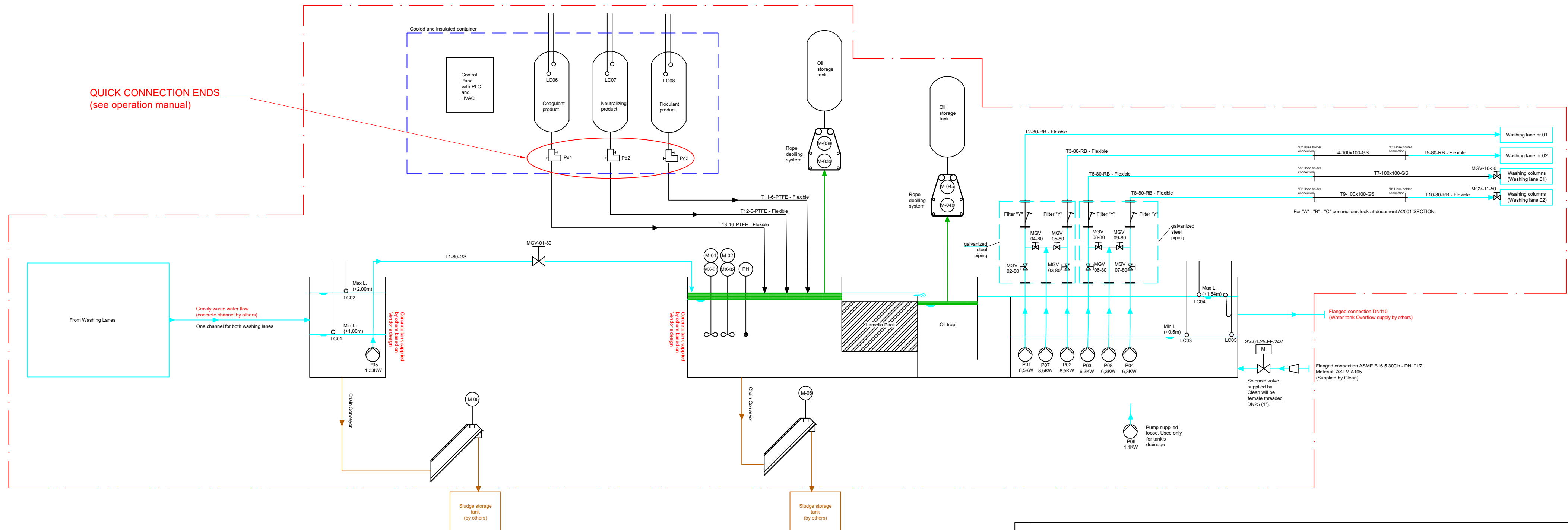




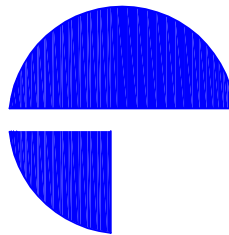
LEGENDA HYDRAULIC CONNECTION	
Tx-DN-GS	Tx: Id pipe - DN: External diameter - GS: galvanized steel
Tx-DN-PTFE	Tx: Id pipe - DN: External diameter - PTFE: politetrafluoroetilene
Tx-DN-RB	Tx: Id pipe - DN: External diameter - RB: Steel reinforced rubber pipe

LEGENDA VALVES	
MGV-XX-DN	MGV:manual gate valve - XX: Valve Id. - DN:nominal diameter
SV-XX-DN-FF-24V	SV: solenoid valve - XX: Valve Id. - DN:nominal diameter - FF: female gas connection - 24V: working tension

LEGENDA PROCESS FLOW	
Process water	—
Sludge flow	—
Oil flow	—
Chemical flow	—
Battery limit	- - - - -

SYMBOLS	
	Submersible centrifugal pump
	Bauer type connection
	Manual Gate Valve
	Solenoid Valve
	PH measurement sensor
	Dosing Pump

VENDOR TAG	TAG TECHNIP	Q.TY	TYPE	DESCRIPTION	Diameter/Connection - Notes
P01/02	55-Z-001/P01/02	02	Submersible Centrifugal Pump	Washing pump for washing lane #1/2	DN80/Bauer Connections
P03/04	55-Z-001/P03/04	02	Submersible Centrifugal Pump	Washing pump for column (washing lane #1/2)	DN50/Bauer Connections
P05	55-Z-001/P05	01	Submersible Centrifugal Pump	Waste water pump to lift water from tank 01 to tank 02	DN80
P06	55-Z-001/P06	01	Submersible Centrifugal Pump	Loose pump for draining	DN80
P07	55-Z-001/P07	01	Submersible Centrifugal Pump	Spare water pump for washing lanes	DN80/Bauer Connections
P08	55-Z-001/P08	01	Submersible Centrifugal Pump	Spare water pump for washing columns	DN50/Bauer Connections
MX-01/-02	55-Z-001/MX-01/-02	02	Mixer	Mixer #1/2	
M-01/-02	55-Z-001/MXM-01/-02	02	Gear motor	El. Motor for Mixer #1/2	
M-03a/M-03b M-04a/M-04b	55-Z-001/M-03a/M-03b 55-Z-001/M-04a/M-04b	04	Gear motor	El. Motor for Deoiling System	
M-05/-06	55-Z-001/M-05/-06	02	Gear motor	El. Motor for Sudge Extractor	
Pd1/2/3	55-Z-001/P09/P10/P11	03	Dosing Pump	Dosing pump for flocculant neutralizing and coagulant	Related El. Motor is 55-Z-001/PM09/PM10/PM11
LC01	1D55-LI-5531	01	Level Control	Pump (P05) protection	+ 1,00 m (from tank bottom)
LC02	1D55-LI-5532	01	Level Control	This sensor stops washing pumps (P01-02-03-04-07-08)	+ 2,00 m (from tank bottom)
LC03	1D55-LI-5533	01	Level Control	Pumps protection (P01-02-03-04-07-08)	+ 0,50 m (from tank bottom)
LC04	1D55-LI-5534	01	Level Control	This sensor stops pump P05 to avoid overflow discharge	+ 1,84 m (from tank bottom)
LC05	1D55-LI-5535	01	Level Control	This sensor manages solenoid valve (SV-01) for refilling	Min L.=+ 1,00m/Max L.=+1,84m (from tank bottom)
LC06	1D55-LI-5536	01	Level Control	Dosing pump protection (Pd1)	+ 0,10 m (from tank bottom)
LC07	1D55-LI-5537	01	Level Control	Dosing pump protection (Pd2)	+ 0,10 m (from tank bottom)
LC08	1D55-LI-5538	01	Level Control	Dosing pump protection (Pd3)	+ 0,10 m (from tank bottom)
SV-01-25-FF-24V	1D55-EVY-5501	01	Solenoid Valve	Solenoid Valve managed by LC05	

 ANOPC ASSIUT NATIONAL OIL PROCESSING COMPANY شركة البترول الوطنية المصرية  TEN TECHNIP ENERGIES		 TEN TECHNIP ENERGIES VENDOR DOCUMENT REVIEW ☐ 1 ☐ 2 ☒ 3 ☐ 4 REVIEW AND RESUBMIT TO BE ISSUED AS FINAL PROVIDED COMMENTS ARE INCORPORATED NO COMMENT - FINAL ISSUE FOR INFORMATION ONLY jfazioli - Feb 28, 2023		 clean	
PROJ.: ASSIUT HYDROCRACKING COMPLEX OWNER: ASSIUT NATIONAL OIL PROCESSING COMPANY(ANOPC)					
MATERIAL REQUISITION No.					
079254C MR		4 1 9 0 - 0 0 3			
ITEM: 55-Z-001					
SR Doc. CODE: A0102					
PURCHASE ORDER N.: 079254A0166					
Drawing n. A0102-P&I		Date 18/11/2022		Commitment n° 802-22	
Rev.	00	Date	18/11/2022	Mod. object	First emission
Rev.	01	Date	10/01/2023	Mod. object	Tag Technip - diameter of solenoid valve - falnge type ASME supplied by Clean
Rev.	02	Date	21/02/2023	Mod. object	Tag for gearmotor of deoiling system (03a-04a) - Diameter from DN50 to DN80 of washing line
Rev.	03	Date		Mod. object	
Rev.	04	Date		Mod. object	
Installation site	Assiut (EGY)			P&ID WHEEL WASHING SYSTEM	
Scale	---				
Drawn by	M.A.	Sign			
Clean S.r.l. Via Borgo Padova, 64 35012 Camposampiero (PD) - ITALY www.clean-impianti.it www.lavaruote.it www.abbattimento-polveri.it Tel. +39.049.9300500 fax +39.049.9320042			Customer TECHNIP ENERGIES ITALY		